

CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

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50X1

COUNTRY Yugoslavia

DATE DISTR. 27 APR 50,

SUBJECT Machine Gun Production at the Kragujevac
Military Technical Institute

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1. All KNOJ units are equipped with Fiat-35 machine guns. Some of these were obtained as war booty, but the majority have been produced at the Military Technical Institute in Kragujevac. The machine guns are mass produced in series [] each series requiring about 72 days to complete. Each period of serial production requires the employ of 11 engineers, 28 technicians, 86 skilled workers, and about 60 to 70 unskilled women workers.

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2. The following are the characteristics of the Fiat-35 machine gun:

Caliber	- 8 mm.
Length	- 1,265 mm.
Length of barrel without flash hider	- 650 mm.
Weight	- 16.2 kilograms
Weight of Tripod	- 23.0 kilograms
Initial velocity	- 750 meters per second
The barrel has four rifling grooves	

3. The following are the characteristics of the cartridge:

cartridge	- length: 82 mm.; weight: 29.9 grams.
bullet	- length: 33.8 mm.; weight: 13.4 grams.
charge	- weight: 2.9 grams and develops a pressure of 3,150 atmospheres.

4. The Air Force Weapons Section of the Institute produces the following types of aircraft guns:

Aircraft cannon	- Mass production of a prototype evolved according to the German HK 103. It is installed chiefly in aircraft of Soviet manufacture, but is to be used in the new S-49 Yugoslav fighter.
Characteristics	- Caliber: 30 mm. Weight (including base): 171 kilograms Weight (without base): 31 kilograms (sic) Weight of cartridge case: 1.00 kilograms Weight of explosive charge: 72 grams Operation: synchronized electrical firing, suitable for firing through the propeller.

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Aircraft cannon - Not in mass production.

Characteristics - Caliber: 50 mm.
Weight (including base): 510 kilograms
Weight of cartridge case: 4.8 kilograms
Weight of explosive charge: 340 grams
Initial bullet velocity: 920 meters per second
Operation: electrical firing, with pneumatic remote control system.

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